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imagery analysis report

**Summary of SAM Activity
Central and Southern MRs, China
January 1979—December 1981 (S)**

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SUMMARY OF SAM ACTIVITY CENTRAL AND SOUTHERN MRs, CHINA JANUARY 1979 – DECEMBER 1981 (S)

ABSTRACT

1. (S/D) This report summarizes SAM activity in the four central (Jinan, Nanjing, Wuhan, and Chengdu) military regions (MRs) and the three southern (Fuzhou, Guangzhou, and Kunming) MRs of China (Figure 1). It discusses newly identified sites, changes in the status of existing sites, and significant SAM activity from 1 January 1979 to 31 December 1981. This report contains eight location maps, seven photographs, and seven tables. It complements a previous NPIC report on the four northern MRs, [REDACTED]

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INTRODUCTION

2. (S/D) The SAM force in China utilizes the CSA-1 missile, a copy of the Soviet-designed and -produced SA-2 SAM system. The standard unit of deployment for CSA-1 equipment is the battalion, which contains six launchers, one GIN SLING fire control radar, and one SLOT REST or KNIFE REST acquisition radar as the principal order-of-battle.

3. (S/D) As of 31 December 1981, 34 active CSA-1 SAM sites (ten in Nanjing MR, five each in Jinan MR and Wuhan MR, four each in Chengdu MR and Fuzhou MR, and three each in Guangzhou MR and Kunming MR), four training sites, and one regional SAM depot had been identified in central and southern China. Eleven new SAM sites, one training facility, and one depot were established and 10 sites were abandoned during the reporting period. The first occurrence in China of two permanent CSA-1 sites collocated at a single installation was identified in Fuzhou MR on imagery of [REDACTED]

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FIGURE 1. CENTRAL AND SOUTHERN MILITARY REGIONS, CHINA

SECRET**BASIC DESCRIPTION****Jinan Military Region**

4. (S/D) Two CSA-1 SAM sites were identified, and one site was abandoned in the Jinan MR during the reporting period, increasing the number of operational SAM sites from four to five (Figure 3 and Table 1).

5. (S/D) Prior to 1981, the deployment of SAMs within the region provided protection only to the key military and civilian centers on the Shangdong Peninsula, particularly in the vicinity of Yantai. However, the identification of Qingdao SAM Site A07 (Figure 2) on [] indicates an increased importance placed by military officials on the protection of Qingdao naval and air facilities. Additional SAM sites will probably be constructed in the Qingdao area in the near future.

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6. (S/D) The second new SAM site, Yantai SAM Site D25, identified on imagery of [] approximately 36 nautical miles (nm) southwest of Yantai, increases the number of operational sites around Yantai to four. The equipment at this site was probably transferred from the field-deployed Laiyang SAM Site A36 which was observed abandoned on imagery of [] Since its identification in April 1969, the Laiyang SAM Site had been collocated with Laiyang Army Barracks AL 1.

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7. (S/D) No SAM training or depot/support facilities have been identified in the Jinan MR.

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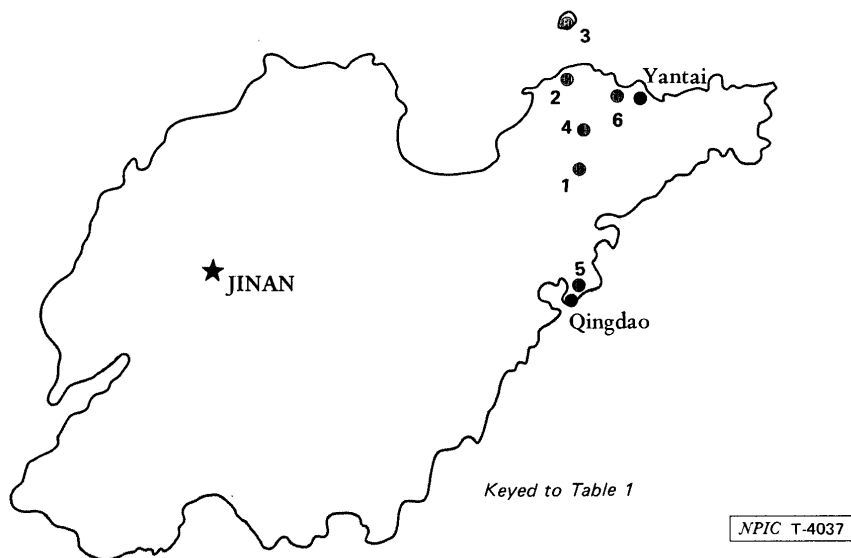


FIGURE 3. SAM SITES IN THE JINAN MR

Table 1.
SAM Sites in the Jinan MR, China
 (Items keyed to Figure 3)

This table in its entirety is classified SECRET/NNINTEL

Item No	Name & BE No	Geographic Coordinates	Status*	Date Identified	Significant Order-of-Battle On Latest Coverage	Remarks	
1	Laiyang SAM Site A36 [redacted]	37-01-14N 120-41-53E	Abn			Field-deployed site; collocated with Laiyang Army Bks AL 1 [redacted] abandoned by [redacted]	25X1 25X1 25X1 25X1
2	Yantai SAM Site D30 [redacted]	37-45-51N 120-43-06E	Occ		6 CSA-1 msls 6 CSA-1 Inchr 7 CSA-1 msl trnsprts 1 canister trnspr 6 sustainer canisters 6 prob sustainer canisters 1 GIN SLING [redacted]		25X1 25X1
3	Dajin SAM Site [redacted]	38-18-38N 120-49-18E	Occ		6 CSA-1 Inchr 5 prob msl canisters 1 GIN SLING 1 CROSS LEGS (van mounted) [redacted]	6 launch positions around the crown of a hill; Inchr are positioned on dollies which move along narrow-gauge rails from underground msl load/reload area to launch position; only such site constructed in China	25X1 25X1 25X1
4	Yantai SAM Site D25 [redacted]	37-19-35N 120-44-50E	Occ		1 CSA-1 msl (on Inchr) 6 CSA-1 Inchr-- 2 canister trnsprts 1 GIN SLING 1 prob KNIFE REST [redacted]		25X1 25X1
5	Qingdao SAM Site A07 [redacted]	36-06-12N 120-22-20E	Occ		6 prob CSA-1 Inchr 12 prob CSA-1 msl trnsprts 2 prob CSA-1 canister trnsprts 20 poss CSA-1 canisters 1 prob GIN SLING [redacted]		25X1 25X1
6	Yantai SAM Site A28 [redacted]	37-32-25N 121-11-26E	Occ		4 CSA-1 msls 6 CSA-1 Inchr 6 CSA-1 msl trnsprts 4 prob canister trnsprts 1 GIN SLING 1 prob KNIFE REST [redacted]	Field-deployed site collocated with Fushan Army Bks NW AL 2 [redacted]	25X1 25X1 25X1

*Abn--Abandoned, Occ--Occupied

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SECRET**Nanjing Military Region**

8. (S/D) Three SAM facilities (a deployed SAM site, a training site, and a regional SAM depot) were identified, and one training site was abandoned in the Nanjing MR during the reporting period. This increased the total number of SAM sites in the Nanjing MR to ten (Figure 4 and Table 2). Deployment of SAM sites within the region provides protection for the major industrial and economic population centers of Shanghai and Nanjing.

9. (S/D) Shanghai SAM Site B33 is 17.5 nm northwest of Shanghai and was identified on [redacted] This site completes the air defense ring around Shanghai, as well as providing peripheral defense for the cities of Suzhou, Wuxi, and Changzhou along an east/west air corridor. Shanghai SAM Site C17 (Figure 5), identified as a SAM training site on [redacted] is collocated with Fengxian Antiaircraft Artillery (AAA) Training Area AL 2 and replaces Shanghai SAM Site C18, also a training site, which had been abandoned by [redacted]

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10. (S/D) The only known SAM depot in southeast China was identified in Nanjing MR on imagery of [redacted] Facility upgrading continued at Nanjing SAM Depot (Figure 6) through at least December 1980, when coverage revealed two large, double-bay storage buildings under construction. Equipment observed at the installation as late as [redacted] included 24 CSA-1 missiles on transporters, two CSA-1 missile canister transporters, and approximately 30 probable fin crates. However, subsequent imagery acquired from December 1980 through December 1981 revealed no equipment, suggesting that the equipment is stored in the completed storage buildings. It is also possible, though unlikely, that the units have vacated the facility.

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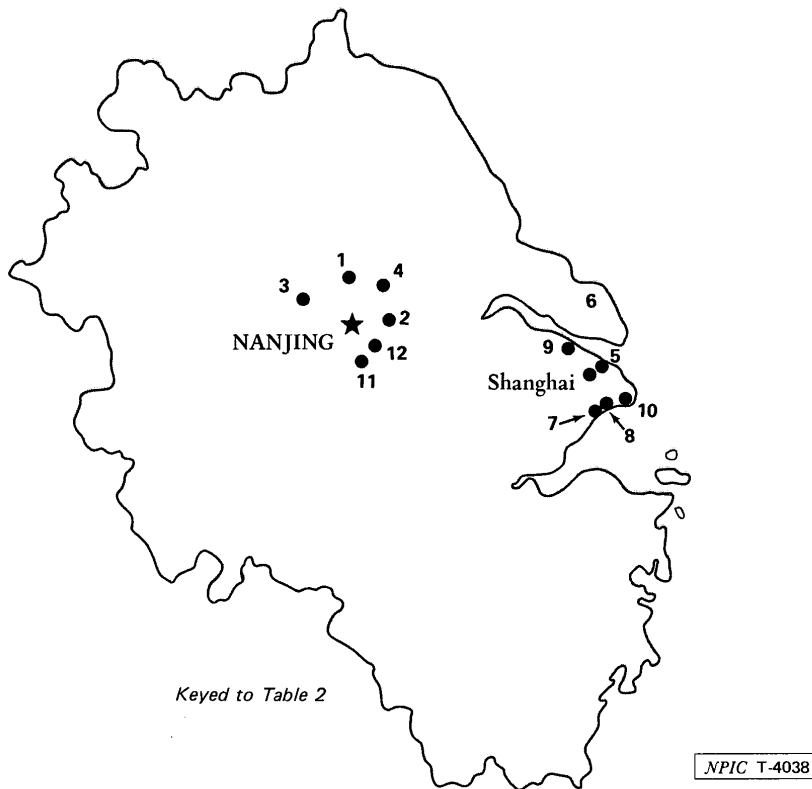
**FIGURE 4. SAM FACILITIES IN THE NANJING MR**

Table 2.
SAM Sites and Regional SAM Support Facilities in Nanjing MR, China
(Items keyed to Figure 4)

This table in its entirety is classified SECRET//WNINTEL

Item No	Name & BE No	Geographic Coordinates	Status*	Date Identified	Significant Order-of-Battle On Latest Coverage	Remarks
1	Nanjing SAM Site C01 [redacted]	32-27-15N 118-49-30E	Occ		6 CSA-1 Inchr 1 CSA-1 mal trnspr 1 GIN SLING [redacted]	Field-deployed launch area adjacent to the permanent site was occupied from Oct 77 to July 78 This facility is considered part of Nanjing SAM Site C01
2	Nanjing SAM Depot [redacted]	32-05-40N 119-13-00E	Unk		No OB [redacted]	On [redacted] 24 CSA-1 msls on trnsprts. 2 CSA-1 canister trnsprts. & approx 30 prob fin crates were observed
3	Nanjing SAM Site C31 [redacted]	32-20-30N 118-19-55E	Unoc		No OB [redacted]	Training site collocated with Chuxian Army Bks AL 1 [redacted] unoccupied since [redacted]
4	Nanjing SAM Site C06 [redacted]	32-17-40N 119-11-45E	Occ		6 CSA-1 Inchr 1 GIN SLING [redacted]	
5	Shanghai SAM Site B09 [redacted]	31-14-50N 121-44-30E	Occ		6 CSA-1 Inchr 1 CSA-1 mal on trnspr 1 GIN SLING 1 bldg-mounted acquisition radar	
6	Shanghai SAM Site E03 [redacted]	31-49-50N 121-51-03E	Occ		2 CSA-1 msls (1 on inchr and 1 on trnspr) 6 CSA-1 Inchr 1 CSA-1 mal trnspr [redacted]	Permanent, revetted site occupied for the 1st time on [redacted]
7	Shanghai SAM Site C18 [redacted]	30-50-40N 121-31-25E	Abn			Field-deployed training site collocated with Fengxian AAA Training Area AL 2 [redacted] abandoned by [redacted] replaced by Shanghai SAM Site C17 [redacted]
8	Shanghai SAM Site C17 [redacted]	30-50-35N 121-33-30E	Unoc		No OB [redacted]	Unrevetted, permanent training site collocated with Fengxian AAA Training Area AL 2 [redacted] Observed occupied only 1 time, on [redacted]
9	Shanghai SAM Site B33 [redacted]	31-29-35N 121-16-35E	Occ		6 CSA-1 Inchr 1 prob GIN SLING 2 prob POL trucks [redacted]	
10	Shanghai SAM Site C14 [redacted]	30-53-18N 121-52-28E	Occ		4 CSA-1 Inchr [redacted]	
11	Nanjing SAM Site C16 [redacted]	31-36-20N 119-00-50E	Occ		6 CSA-1 Inchr 1 GIN SLING [redacted]	
12	Nanjing SAM Site C11 [redacted]	31-58-04N 119-12-39E	Occ		6 CSA-1 Inchr 2 CSA-1 mal trnspr 1 CSA-1 canister trnspr [redacted]	

*Abn—Abandoned, Occ—Occupied, Unk—Unknown, Unoc—Unoccupied

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Wuhan Military Region

11. (S/D) There are five SAM sites in the Wuhan MR (Table 3). The deployment of sites provides general area protection around the city of Wuhan (Figure 7).

12. (S/D) Although the sites remained physically unchanged at the end of the reporting period, one site, Wuhan SAM Site C03, was unoccupied from at least November 1978 through April 1979 and had been reoccupied by [redacted]. The dates during which this site was unoccupied correspond with the period of the Sino-Vietnamese conflict, suggesting that the battalion redeployed south to support military operations.

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13. (S/D) No SAM training facilities have been identified in the Wuhan MR.

Table 3.
SAM Sites in Wuhan Military Region, China
(Items keyed to Figure 7)

This table in its entirety is classified SECRET/WNINTEL

Item No	Name & BE No	Geographic Coordinates	Status*	Date Identified	Significant Order-of-Battle On Latest Coverage	Remarks
1	Wuhan SAM Site B20 [redacted]	30-19-23N 114-12-50E	Occ		6 CSA-1 Inchr 1 poss GIN SLING [redacted]	
2	Wuhan SAM Site D03 [redacted]	30-52-10N 114-28-19E	Occ		1 poss CSA-1 msl (on trnspr) 6 CSA-1 Inchr 1 CSA-1 msl trnspr 11 CSA-1 canisters 4 fin boxes 1 GIN SLING [redacted]	
3	Huangshi SAM Site A02A [redacted]	30-17-07N 115-08-54E	Occ		1 CSA-1 msl 6 CSA-1 Inchr 2 prob CSA-1 msl trnspr 6 prob CSA-1 canisters 1 poss guidance radar [redacted]	
4	Wuhan SAM Site C03 [redacted]	30-54-40N 114-28-15E	Occ		6 CSA-1 msls (on trnspr) 6 CSA-1 Inchr 10 CSA-1 msl trnspr 4 CSA-1 canister trnspr 1 GIN SLING 1 poss acquisition radar [redacted]	This site was unoccupied from Nov 78 through Apr 79; the bn prob deployed south for the Sino-Vietnamese conflict at that time
5	Wuhan SAM Site F32 [redacted]	31-16-37N 113-37-07E	Occ		6 CSA-1 Inchr 3 CSA-1 canisters 1 CSA-1 canister trnspr 1 prob GIN SLING 1 poss acquisition radar [redacted]	Permanent site was not complete until [redacted] equipment was observed in a temporary site 0.5 nm west of present site during construction

*Occ—Occupied

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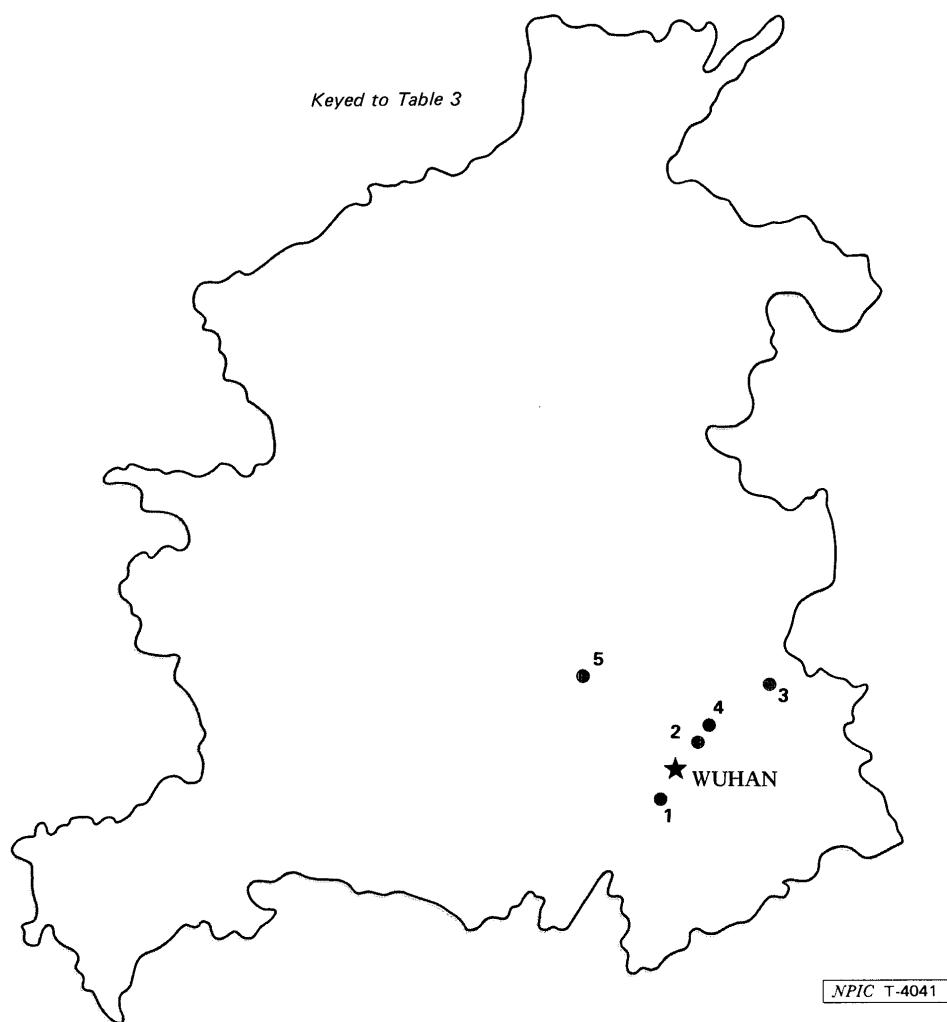


FIGURE 7. SAM SITES IN THE WUHAN MR

SECRET**Chengdu Military Region**

14. (S/D) CSA-1 SAM facilities within the Chengdu MR (Figure 9 and Table 4) include three operational SAM sites, two occupied/operational training sites, and one unoccupied site. All the sites are strategically located to provide defense for the city of Chengdu.

15. (S/D) Two CSA-1 battalions, those from Chengdu SAM Site C33 and Chengdu SAM Site D23, probably redeployed to the Sino-Vietnamese border area of Kunming MR during late 1978/early 1979. Both sites were unoccupied on [] corresponding to the period of the border conflict. Chengdu SAM Site D23 had been reoccupied by [] Usable coverage of Chengdu SAM Site C33 was not obtained until [] at which time the site was reoccupied.

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16. (S/D) Yibin SAM Site A29, which serves as a SAM training school, is collocated with Yibin Airfield/Heliport. The circular helicopter pads surrounding the airfield are used for SAM training. SAM training is also conducted at Chengdu/Pengshan Airfield, where CSA-1 launchers, CSA-1 missile transporters, and related support equipment were identified on [] in an unused portion of the airfield (Figure 8).

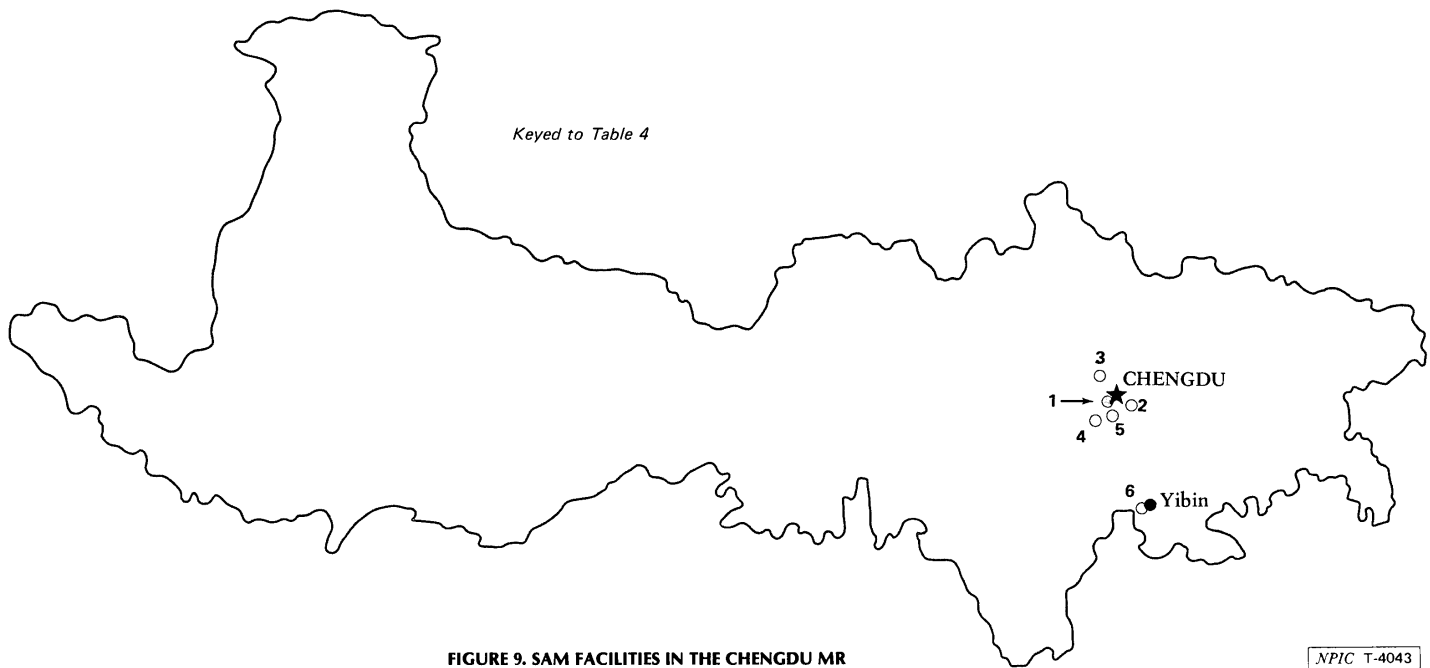
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17. (S/D) Chengdu SAM Site B13 remained unchanged during the reporting period. Chengdu SAM Site B26, although unoccupied since August 1972, is still a revetted site that could be set up as a CSA-1 site on short notice.

18. (S/D) The only other SAM activity noted in the MR occurred on [] when elements of a CSA-1 battalion were at the Jianyang Army Barracks [] CSA-1 missile transporters, canister transporters, and four launchers were observed in travel mode next to four simulated launch positions. No guidance and control equipment was present. This facility was not imaged again during the reporting period; therefore, it could not be determined whether the equipment was in transit or being deployed to the Jianyang area.

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SECRET**FIGURE 9. SAM FACILITIES IN THE CHENGDU MR**

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Table 4.
SAM Facilities in Chengdu Military Region, China
(Items keyed to Figure 9)

This table in its entirety is classified SECRET/WNINTEL

Item No	Name & BE No	Geographic Coordinates	Status*	Date Identified	Significant Order-of-Battle on Latest Coverage	Remarks
1	Chengdu SAM Site B26 [redacted]	30-36-45N 103-52-39E	Unp		No OB [redacted]	Unoccupied since at least Aug 72
2	Chengdu SAM Site B13 [redacted]	30-30-07N 104-18-18E	Occ		6 CSA-1 Inchr 5 CSA-1 trnsprts 1 GIN SLING [redacted]	
3	Chengdu SAM Site C33 [redacted]	30-59-48N 103-45-33E	Occ		6 CSA-1 Inchr 2 prob CSA-1 msl trnsprts w/msls 1 prob oxidizer trnspr 1 poss GIN SLING [redacted]	This site was unoccupied on [redacted] & was not covered on usable imagery again until [redacted] the bn prob deployed south for the Sino-Vietnamese conflict for a short time in early 1979
4	Chengdu SAM Site D23 [redacted]	30-12-37N 103-30-26E	Occ		1 CSA-1 msl 6 CSA-1 Inchr 4 CSA-1 msl trnsprts 1 GIN SLING [redacted]	This site was unoccupied on [redacted] but had been reoccupied by the next coverage on [redacted] the bn prob deployed south for the Sino-Vietnamese conflict
5	Chengdu/Pengshan Airfield [redacted]	30-15-53N 103-51-09E	Occ		6 CSA-1 Inchr 12 CSA-1 msl trnsprts 1 CSA-1 canister 3 CSA-1 canister trnsprts 1 GIN SLING 1 KNIFE REST [redacted]	Training area collocated with Chengdu/Pengshan Airfield
6	Yibin SAM Site A29 [redacted]	28-47-45N 104-32-38E	Occ		1 CSA-1 msl 1 CSA-1 Inchr 11 CSA-1 msl trnsprts 3 CSA-1 canister trnsprts 1 GIN SLING 1 prob KNIFE REST [redacted]	Training school collocated with Yibin Airfield/Heliport [redacted]

*Occ—Occupied, Unoc—Unoccupied

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SECRET**Fuzhou Military Region**

19. (S/D) Of four active SAM sites in the Fuzhou MR (Figure 11 and Table 5), three (one single and one double site) are part of the Nanchang city defense. The SAM battalion for the fourth site was observed again at Liancheng in September 1980 after a three-year deployment on Haitan Island.

20. (S/D) Nanchang SAM Site A33, which was identified in December 1975, became a double SAM site during the reporting period. Coverage of [] revealed a second CSA-1 site, designated Nanchang SAM Site A33A, within the wall-secured facility. Both sites share a common support area which is centrally located. Extensive development of the overall facility since its initial identification, including construction of a large barracks/administration area at the south end of the facility, suggests that the facility may be either a training/development facility or a prototype facility built to test deployment concepts. It is unlikely that the new site will replace the older launch site complex because of all the additional construction observed within the facility and because of the presence of sufficient equipment for more than two SAM battalions. This is the only known installation in China to have two permanent SAM launch areas (Figure 10).

21. (S/D) The SAM battalion which moved from Liancheng SAM Site A21 in August 1977 to Haitan Island had returned to Liancheng by September 1980.¹ Haitan Island SAM Site had been abandoned by [] During the three years the battalion was deployed on Haitan Island, the Liancheng site was used for AAA training and was an active AAA site.

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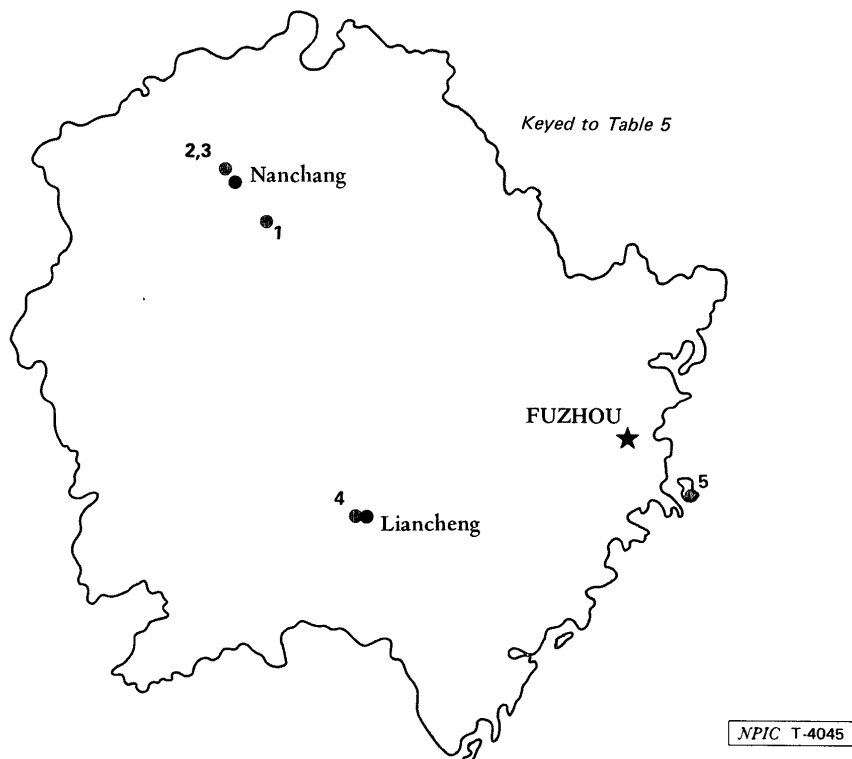
SECRET**FIGURE 11. SAM SITES IN THE FUZHOU MR**

Table 5.
SAM Sites in Fuzhou Military Region, China
(Items keyed to Figure 11)

This table in its entirety is classified SECRET/WNINTEL

Item No	Name & BE No	Geographic Coordinates	Status*	Date Identified	Significant Order-of-Battle On Latest Coverage	Remarks	
1	Nanchang SAM Site C14 [redacted]	28-20-35N 116-14-39E	Occ		6 CSA-1 Inchr 1 GIN SLING [redacted]		25X1 25X1
2	Nanchang SAM Site A33 [redacted]	28-45-10N 115-50-48E	Occ		4 CSA-1 msls 6 CSA-1 Inchr 10 CSA-1 msl trnsprts 1 GIN SLING [redacted]	Shares common support area with Nanchang SAM Site A33A; support area OB consists of 4 CSA-1 Inchr and 8 CSA-1 msl trnsprts	25X1 25X1
3	Nanchang SAM Site A33A [redacted]	28-45-17N 115-50-32E	Occ		1 CSA-1 msl 6 CSA-1 Inchr 2 CSA-1 msl trnsprts 1 GIN SLING [redacted]	Shares common support area with Nanchang SAM Site A33; see above for equipment in support area	25X1 25X1
4	Liancheng SAM Site A21 [redacted]	25-38-40N 116-43-15E	Occ		6 CSA-1 Inchr 8 CSA-1 msl trnsprts 1 tracking/guidance radar 1 poss acquisition radar [redacted]	Unoccupied Aug 77 to [redacted] during this time this site was used for AAA training & as an active AAA site; msl OB from this site was used to equip Haitan Island SAM Site	25X1 25X1 25X1 25X1
5	Haitan Island SAM Site [redacted]	25-30-05N 119-47-55E	Abn			Msl OB from this site was returned to Liancheng SAM Site A21; abandoned by [redacted]	25X1 25X1

*Abn—Abandoned, Occ—Occupied

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SECRET**Guangzhou Military Region**

22. (S/D) SAM sites in Guangzhou MR (Figure 13 and Table 6) are situated along the coast near the city of Guangzhou and in the Sino-Vietnamese border area between Nanning and Ningming. During the reporting period, three field-deployed SAM sites were identified; two of these were subsequently abandoned. A third, previously identified field-deployed site was also abandoned. These changes are believed to be directly related to the Sino-Vietnamese conflict which occurred in 1979.

23. (S/D) Of the three field-deployed units identified, Suixi SAM Site A29, Nanning SAM Site B21, and Nanning SAM Site B21A, only one remained active at the end of the reporting period. Suixi SAM Site A29, which was identified on [] had been abandoned by [] This timeframe corresponds closely to the conflict period. Nanning SAM Site B21, which was identified in November 1979, had been abandoned by [] It was probably replaced by Nanning SAM Site B21A (Figure 12), which is approximately 1 nm west of the previous site. Nanning SAM Site B21A is still operational. Sites B21 and B21A were probably established by the regional command following the withdrawal of troops from Vietnam. A fourth field-deployed site, which had been occupied since October 1972 and collocated with Ningming Airfield, had been abandoned by []

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24. (S/D) Status changes also occurred at two of the three SAM sites around Guangzhou. Guangzhou SAM Site B28 was unoccupied on [] and remained so through the end of the reporting period. Guangzhou SAM Site C36 was unoccupied at the beginning of the reporting period and was observed reoccupied on [] Since Guangzhou SAM Site A08 remained active throughout the reporting period, at least two CSA-1 sites were occupied around Guangzhou during the reporting period.

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25. (S/D) No SAM training sites have been identified in the Guangzhou MR.

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FIGURE 13. SAM SITES IN THE GUANGZHOU MR

Table 6.
SAM Sites in Guangzhou Military Region, China
(Items keyed to Figure 13)

This table in its entirety is classified SECRET/NNINTEL

Item No	Name & BE No	Geographic Coordinates	Status*	Date Identified	Significant Order-of-Battle On Latest Coverage	Remarks	
1	Guangzhou SAM Site A08 [redacted]	23-09-00N 113-23-56E	Occ		4 CSA-1 Inchrs 2 prob CSA-1 canister trnspters [redacted]		25X1 25X1 25X1
2	Guangzhou SAM Site B28 [redacted]	23-08-32N 113-03-16E	Unoc		No OB [redacted]	1st observed unoccupied on [redacted]	25X1 25X1
3	Guangzhou SAM Site C36 [redacted]	23-30-43N 113-16-41E	Occ		6 CSA-1 Inchrs 1 GIN SLING [redacted]	Unoccupied [redacted] until observed reoccupied on [redacted]	25X1 25X1
4	Ningming SAM Site A11A [redacted]	22-07-36N 107-08-02E	Abn			Field-deployed site collocated with Ningming Airfield [redacted] abandoned by [redacted]	25X1 25X1
5	Nanning SAM Site B21 [redacted]	22-34-39N 108-11-25E	Abn			Field-deployed site: msl equipment prob moved to Nanning SAM Site B21A [redacted] abandoned by [redacted]	25X1 25X1 25X1
6	Nanning SAM Site B21A [redacted]	22-35-15N 108-11-35E	Occ		5 CSA-1 msls 5 CSA-1 Inchrs 6 CSA-1 msl trnspters 8 CSA-1 canister trnspters 8 prob CSA-1 canister trnspters 1 GIN SLING [redacted]	Field-deployed site: msl equipment for this site prob came from nearby Nanning SAM Site B21 [redacted]	25X1 25X1 25X1
7	Suixi SAM Site A29 [redacted]	21-23-22N 110-11-50E	Abn			Field-deployed site: abandoned by [redacted]	25X1 25X1

*Abn—Abandoned, Occ—Occupied, Unoc—Unoccupied

SECRET**Kunming Military Region**

26. (S/D) Seven CSA-1 sites were active in Kunming MR (Figure 15 and Table 7) during the reporting period. Three field-deployed sites were identified in January 1979, but all had been abandoned by the end of August 1979. A fourth site, occupied since 1973, was abandoned in February 1981. One permanent, revetted site was occupied for the first time during the period.

27. (S/D) Three field-deployed SAM sites were identified in the southeast portion of the MR during January 1979—two near Mengzi West Airfield [] and a third site, Pingyuanjie SAM Site, approximately 50 nm northeast of Mengzi. These sites were only active during the Sino-Vietnamese conflict and had been abandoned by the end of August 1979. The equipment for these field-deployed sites was probably from sites abandoned at the time in Chengdu MR and Wuhan MR.

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28. (S/D) Kunming SAM Site C27, first identified in September 1973, had been abandoned by [] [] This was the only permanent site to be abandoned in Kunming during the reporting period and reduced the total number of occupied sites in the MR at the end of the period to three. Kunming SAM Site B23A (Figure 14) was first observed occupied on coverage of [] over two years after it was initially identified on imagery of []

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29. (S/D) No SAM training facilities have been identified in Kunming MR.

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FIGURE 15. SAM SITES IN THE KUNMING MR

Table 7.
SAM Sites in Kunming Military Region, China
(Items keyed to Figure 15)

This table in its entirety is classified SECRET/WNINTEL

Item No	Name & BE No	Geographic Coordinates	Status*	Date Identified	Significant Order-of-Battle On Latest Coverage	Remarks	
1	Kunming SAM Site C27 [redacted]	25-00-46N 102-17-37E	Abn			Abandoned by [redacted]	25X1 25X1
2	Anshun SAM Site B12 [redacted]	26-06-41N 106-07-30E	Occ		6 CSA-1 Inchrs 1 GIN SLING [redacted]	Unoccupied on [redacted]	25X1 25X1
3	Kunming SAM Site B17A [redacted]	24-44-50N 102-47-50E	Occ		6 CSA-1 Inchrs 2 CSA-1 msl trnsprts 1 GIN SLING [redacted]		25X1 25X1
4	Kunming SAM Site B23A [redacted]	24-54-35N 102-33-40E	Occ		6 CSA-1 Inchrs 1 GIN SLING 1 prob KNIFE REST [redacted]	Occupied for first time on [redacted]	25X1 25X1 25X1
5	Mengzi SAM Trng Site A34A [redacted]	23-24-28N 103-21-21E	Abn			Field-deployed site; abandoned by [redacted] and now being used as part of Mengzi AW Radar Facility [redacted]	25X1 25X1 25X1
6	Mengzi SAM Site A33 [redacted]	23-25-25N 103-21-10E	Abn			Field-deployed site; abandoned by [redacted]	25X1 25X1
7	Pingyuanjie SAM Site A07 [redacted]	23-45-43N 103-48-12E	Abn			Field-deployed site; abandoned by [redacted]	25X1 25X1

*Abn—Abandoned, Occ—Occupied

SECRET

ANALYST'S COMMENTS

30. (S/D) The total number of CSA-1 SAM sites in the MRs of central and southern China has remained constant since 1 January 1979, although 11 sites have been newly identified, 10 have been abandoned, and four remain unoccupied. This indicates that as the perceived threat changes emphasis is being placed on the relocation of sites on a regional basis rather than on increasing overall air defenses. An example of this type of relocation was seen during the Sino-Vietnamese conflict, when four field-deployed SAM sites were identified in defensive positions around airfields along that border by early 1979; these positions had been abandoned by the end of August 1979. Another example was the redeployment of a CSA-1 battalion from its Haitan Island site back to mainland China in 1980, corresponding with a relaxed attitude on the part of the Chinese toward Taiwan.

31. (S/D) One explanation for the Nanchang installation and the presence of two SAM sites within its perimeter is that the Chinese may be seriously involved in developing a new concept in the deployment of SAM units. The presence of more than two SAM battalions at this facility suggests the possibility of Chinese plans to consolidate SAM battalions into larger entities, such as regiments. This would allow one of the battalions from an installation to be deployed to a crisis area without leaving the site unprotected. A second, equally probable explanation for the double site is that an expansion of the national-level training facilities is underway.

32. (S/D) It is not expected that the Chinese will significantly alter the present strength or disposition of the SAM forces in southern China in the near future. Any such alterations would occur only in conjunction with a realignment of ground and/or air forces along the Sino-Vietnamese border; the deployment of the new CSA-X-2, now under development, may prompt changes in SAM dispositions.

REFERENCES

IMAGERY

(S/D) All applicable satellite imagery acquired between [] was used in the preparation of this report. 25X1

DOCUMENT

1. DIA. [] DDB-2680-22-81-SAO, *PRC Force Developments—Semiannual Status Report (U)*, p 16, Mar 81 (TOP SECRET []) 25X1
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RELATED DOCUMENTS

NPIC. [] IAR-0108/80, *Summary of SAM Activity in the Four Northern Military Regions in China, 1 January 1978—30 September 1980 (S)*, Mar 81 (TOP SECRET []) 25X1
25X1
25X1

*Extracted information is classified SECRET, [] 25X1

(S) Comments and queries regarding this report are welcome. They may be directed to [] Asian Forces Division, Imagery Exploitation Group, NPIC, [] 25X1
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